BIOL	OG	of Candidate : Interm	ediate Part-II ,	Class 12th (1 st A 4	23-II) Pap	er: I	I Group - II
Time	: 20 I	Minutes	OBJECTIVE	Code: 8	8464	Gruj-12-2	-2	Marks: 17
Note:	fill th	have four choices for each o nat circle in front of that ques es will result in zero mark in	bjective type que tion number. Use	stion as A. B. C	Cand	D. The choice wh	ich y	ou think is correct,
1.	1.	A localized group of speci (A) community	ies belonging to (B) population	the same speci	ies is o	called as system	(D)	biosphere
	2.	In which of the following (A) relay neuron neuron	neurons, length (B) sensory ne	of dendrites is euron (C	greate) mot	er than axon for neuron	(D)	associative
	3.	Protein found within spine		(C) acti	n	(D)	tubulin
		(A) collagen	(B) myosin	de en et motob) acti	Domin's idea of		
	4.	Which one of the following observations does not match with Darwin's idea of natural selection? (A) over production (B) survival of the fittest						
		(A) over production						haracters
		(C) variations (D) inheritance of acquired characters The tRNA anticodon "GAC" is complementary to the mRNA codon with the sequence						
	5.		C" is compleme	entary to the m	KNA	codon with the s	eque	GAC
		(A) CUG	(B) CAG		C) CT			UAC
	6.	The process of moulting i	s controlled by t	he nervous sys	stem a	nd a normone ca	(D)	oxytocin
		(A) aldosterone	(B) androgen	(C) eca	ysone	(D)	oxytociii
	7.	Transgenic animals are pr	repared through	10			(D)	PCR
		(A) genetic engineering	(B) cloning) mu		(4)	rck
	8.	Type of muscle having re	gular striations a	and many nucle	eı per	cell	(E)	all of these
		(A) smooth muscle	(B) skeletal m	iuscle (C) car	diac muscle	(1)	an or these
	9.	It is not a function of kidr					(D)	formation of urea
		(A) excretion	(B) osmoregu) for	mation of urine	(D)	tormation of the
	10.	Which of the following is	a renewable res	source?			(D)	
		(A) coal	(B) oil	(C	C) lan	d	(D)	natural gas
	11.	The head can be regenera	ited in		A.		(D)	
		(A) frog	(B) leech		c) ear	thworm	(D)	grasshopper
	12.	Felis bengalensis has the	zoologist name	of			-	
		(A) leopard cat	(B) leopard	(6	cat		(D)	tiger
	13.	RNA polymerase consist	s of					
		(A) sigma factor		(F	3) sig	ma factor and co	re er	nzyme
		(C) core enzyme			D) sig	ma factor and fu	ll en:	zyme
	14.	Mature sperms are forme	ed from spermati	ds through				
		(A) mitosis	(B) meiosis-	I (C	C) me	iosis–II	(D)	differentiation
	15.	Cell bodies of sensory ne						
	15.	(A) dorsal root ganglion		(H	B) do:	rsal root		
		. ,		484			1:	

(C) ventral root ganglion Haemophilia "A" is (A) x-linked recessive

Which of the following describes aspartame?
(A) anticlotting agent

(C) both (A) and (B)

(C) artificial sweetener

16.

17.

(D) posterior root ganglion

(B) factor viii abnormality

(D) factor ix abnormality

(B) biodegradable plastic

(D) transgenic bacteria

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9. (a) Why did Spemann designated the dorsal lip area as primary organizer? Explain with his experiment. (4)

(b) What is genomic library? How would you locate a gene of interest in the library?

8. (a) What is epistasis? Explain with reference to Bombay phenotype.

(b) Describe vernalization. Give its importance.

(4)

(4)

(4)

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